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Attorney Docket No. 50450-8038.US00

INVENTORSHIP DECLARATION BY JOINT INVENTORS

COPY OF PAPERS  
ORIGINALLY FILED

I HEREBY DECLARE THAT:

My residence, mailing address, and citizenship are stated next to my name in PART A on hereof.

I believe I am the original, first, and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled

METHOD FOR ANALYSIS OF OLIGONUCLEOTIDE ANALOGS

the specification of which:

is attached hereto

was filed on August 30, 2001 as Application Serial No. 09/943,458.

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim priority benefits under Title 35, United States Code §119 of any foreign application(s) for patent or inventor's certificate listed in PART B hereof and have also identified in PART B on hereof any foreign application for patent or inventor's certificate having a filing date before that of the application of which priority is claimed.

I hereby claim the benefit under Title 35, United States Code §119(e) and §120, of any United States application(s) listed in PART C hereof and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations §1.56 which occurred between the filing date of the prior application and any national or PCT international filing date of this application.

I hereby declare that all statements made herein of my knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Attorney Docket No. 50450-8038.US00

Please direct all telephone calls to **LeeAnn Gorthey** at (650) 838-4403.  
Address all correspondence to:

**Perkins Coie LLP  
P.O. Box 2168  
Menlo Park, CA 94026**

**Customer No. 22918**

**INVENTORSHIP DECLARATION BY JOINT INVENTORS**

**PART A: INVENTOR INFORMATION AND SIGNATURE**

Full name of FIRST inventor: Dwight D. Weller

Citizenship: U.S.A. Mailing Address: 3323 N.W. Elmwood  
Corvallis, OR 97330

Residence (if different):

Inventor's Signature: Dwight Weller Date: 30 Oct 2001

Full name of SECOND inventor: Todime Muralimohan Reddy

Citizenship: India Mailing Address: 435 S.E. Atwood  
Corvallis, OR 97333

Residence (if different):

Inventor's Signature: T. Murali Mohan Reddy Date: 30 Oct 2001

**PART B: CLAIM TO PRIORITY OF FOREIGN APPLICATION(S) UNDER 35 U.S.C. 119(a-d)**

<u>Country</u>	<u>App. No.</u>	<u>Filing Date</u>
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**PART C: CLAIM TO PRIORITY OF U.S. PROVISIONAL AND NONPROVISIONAL  
APPLICATION(S) UNDER 35 U.S.C. 119(e) AND 120**

<u>Serial No.</u>	<u>Filing Date</u>	<u>Status</u>
<u>60/229,245</u>	<u>08/30/2000</u>	<input checked="" type="checkbox"/> Abandoned

O I P E  
I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C., 20231, on:

JAN 17 2002

Date: November 7, 2001

Docket No. 50450-8038.US00

By: Symone B. Anderson

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**IN RE APPLICATION OF:**

Weller et al.

EXAMINER: not yet assigned

SERIAL NO.: 09/943,458

ART UNIT: 1645

FILED: August 30, 2001

FOR: **METHOD FOR ANALYSIS OF  
OLIGONUCLEOTIDE ANALOGS**

**Power of Attorney by Assignee and Certification**  
**Under 37 CFR §3.73(b)**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

I, the undersigned, acting on behalf of the Assignee of

an undivided share of the entire right, title, and interest  
 the entire right, title and interest

in the above-identified patent application, appoint the attorneys and agents listed below to prosecute this application and transact all business with the U.S. Patent and Trademark Office in connection therewith. This appointment is to the exclusion of the inventor(s) and their attorney(s) and agent(s) in accordance with the provisions of 37 CFR 3.71.

All prior powers of attorney for this application are hereby revoked. The appointed representatives are:

Peter J. Dehlinger, Registration No. 28,006  
Judy M. Mohr, Registration No. 38,563  
LeeAnn Gorthey, Registration No. 37,337  
Larry W. Thrower, Registration No. 47,994  
Jacqueline F. Mahoney, Registration No. 48,390  
Richard Gregory, Jr., Registration No. 42,607  
Michael Martensen, Registration No. 46,901  
Barbara Courtney, Registration No. 42,442  
Chihang Amy Ng Smith, Registration No. 42,931  
Karl Sun, Registration No. 45,143  
all affiliated with Perkins Coie LLP.

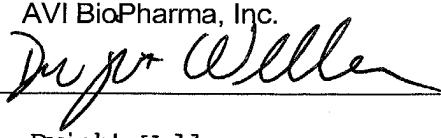
Direct all telephone calls to Peter J. Dehlinger at (650) 838-4401. Address all correspondence to:

**Perkins Coie LLP**  
P.O. Box 2168  
Menlo Park, CA 94026  
Telephone: (650) 838-4300  
Customer No. 22918

In accordance with 37 CFR 3.73(b), I hereby certify that I am empowered to act on behalf of the Assignee. To the best of my knowledge and belief, title is in the Assignee.

I further declare that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, USC §1001 and that such willful false statements may jeopardize the validity of the this application or any patent resulting therefrom.

**ASSIGNEE:** AVI BioPharma, Inc.

Signature: 

Typed Name: Dwight Weller

Title: Senior VP of Chemistry and Manufacturing

Date: October 30, 2001

Address: 3323 NW Elmwood Dr, Corvallis, OR 97330

JAN 17 2002

## RECORDATION FORM COVER SHEET

U.S. Department of Commerce  
Patent and Trademark Office**PATENTS ONLY**

To the ~~TRADEMARK~~ Assistant Commissioner for Patents: Please record the attached original documents or copy thereof

1. Name of conveying party(ies): Dwight D. Weller Todime Muralimohan Reddy Add'l names of conveying parties attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name/address of receiving party(ies): AVI BioPharma, Inc.  <b>COPY OF PAPER ORIGINALLY FILED</b>
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Other <input type="checkbox"/> Change of Name <input type="checkbox"/> Reassignment	4575 S.W. Research Way, Suite 200 Corvallis, OR 97333
4. Date of execution: <u>30 October 2001</u>	Add'l names of receiving parties attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5. Application number(s) and/or patent number(s):  <b>COPY</b>	

If this document is being filed with a new application, the date of signature by the first named inventor was: \_\_\_\_\_.

A. Patent Application No. (s) <u>09/943,458 filed 08/30/01</u>	B. Patent No. (s)
Additional numbers attached: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
6. Name and address of party to whom correspondence concerning document should be mailed:  <b>COPY</b> <b>Perkins Coie LLP</b> P.O. Box 2168 Menlo Park, CA 94026 (650) 838-4300	7. Total No. of applications and patents involved: <u>one (1)</u>
8. Total fee (37 CFR §3.41): <u>\$40.00</u> <input type="checkbox"/> Please charge Deposit Account No. 50-0665 for amount due.	
Total number of pages, including cover sheet, attachments and document: <u>4</u>	

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## 10. Statement and signature:

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Peter J. Dehlinger  
Name of Person Signing

Peter J. Dehlinger  
Signature

10-07-01  
Date